



**CMSH2-20  
CMSH2-40  
CMSH2-60**

**SCHOTTKY BARRIER RECTIFIER  
2.0 AMP, 20 THRU 60 VOLTS**



**SMB CASE**

**Central<sup>TM</sup>  
Semiconductor Corp.**

**FEATURES:**

- LOW COST
- SUPERIOR LOT TO LOT CONSISTENCY
- HIGH RELIABILITY
- "C" BEND CONSTRUCTION PROVIDES STRAIN RELIEF WHEN MOUNTED ON PC BOARD
- SPECIAL SELECTIONS AVAILABLE

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR 2.0 Amp Surface Mount Silicon Schottky Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. To order devices on 12mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

**MAXIMUM RATINGS:** ( $T_A=25^{\circ}\text{C}$  unless otherwise noted)

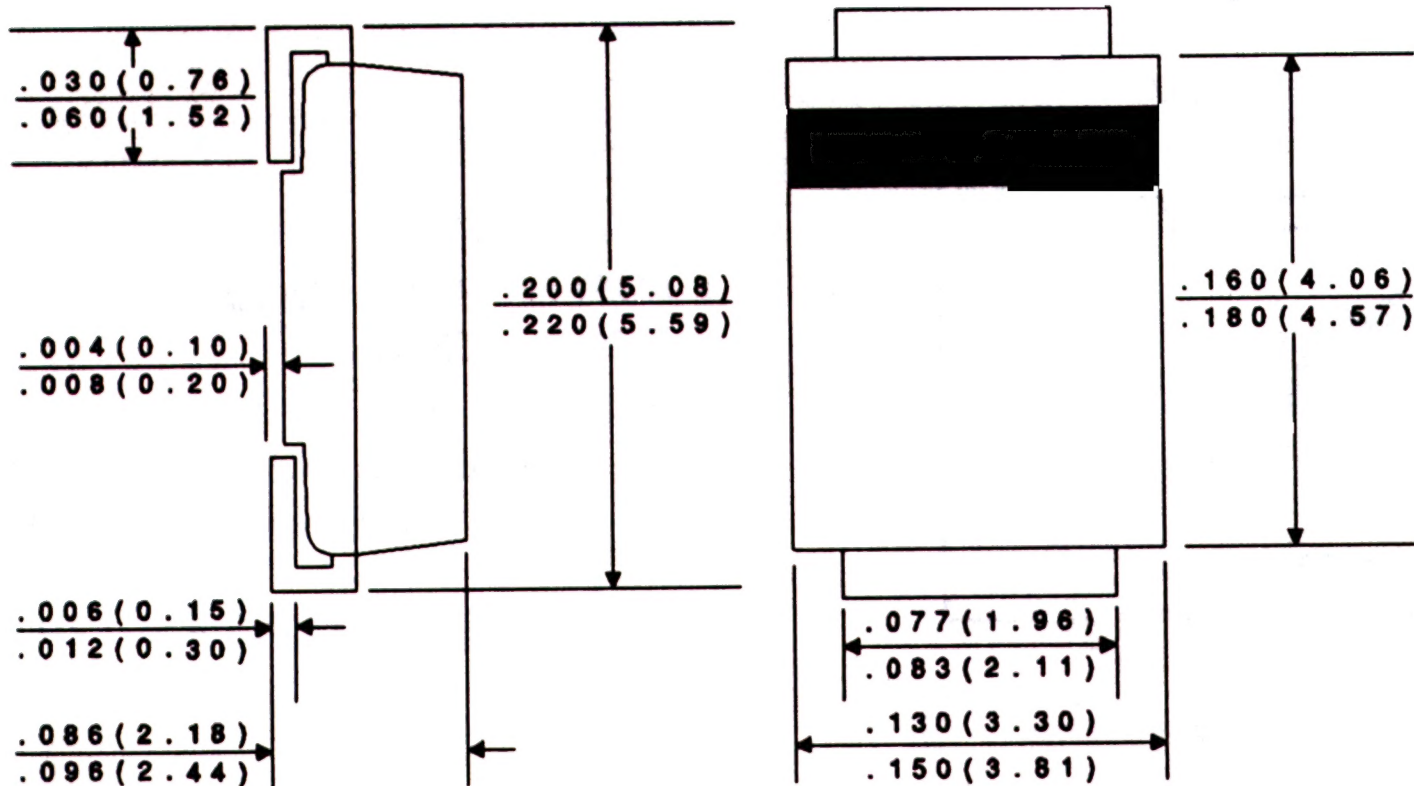
		<b>CMSH2 -20</b>	<b>CMSH2 -40</b>	<b>CMSH2 -60</b>	<b>UNITS</b>
Peak Repetitive Reverse Voltage	$V_{RRM}$	20	40	60	V
DC Blocking Voltage	$V_R$	20	40	60	V
RMS Reverse Voltage	$V_{R(RMS)}$	14	28	42	V
Average Forward Current ( $T_A=55^{\circ}\text{C}$ )	$I_O$		2.0		A
Peak Forward Surge Current (8.3ms)	$I_{FSM}$		30		A
Operating and Storage					
Junction Temperature	$T_J, T_{stg}$		-65 to +150		$^{\circ}\text{C}$
Thermal Resistance	$\Theta_{JL}$		20		$^{\circ}\text{C/W}$

**ELECTRICAL CHARACTERISTICS:** ( $T_A=25^{\circ}\text{C}$  unless otherwise noted)

<b>SYMBOL</b>	<b>TEST CONDITIONS</b>	<b>MIN</b>	<b>TYP</b>	<b>MAX</b>	<b>UNITS</b>
$I_R$	$V_R=\text{Rated } V_{RRM}$			0.50	mA
$I_R$	$V_R=\text{Rated } V_{RRM}, T_A=100^{\circ}\text{C}$			20	mA
$V_F$	$I_F=2.0\text{A}$ (CMSH2-20 AND CMSH2-40)			0.50	V
$V_F$	$I_F=2.0\text{A}$ (CMSH2-60)			0.70	V
$C_J$	$V_R=4.0\text{V}, f=1.0\text{MHz}$ , (CMSH2-20 AND CMSH2-40)		150		pF
$C_J$	$V_R=4.0\text{V}, f=1.0\text{MHz}$ , (CMSH2-60)		120		pF

All dimensions in inches (mm).

## TOP VIEW



## Marking Codes:

DEVICE	MARKING CODE
CMSH2-20	CS220
CMSH2-40	CS240
CMSH2-60	CS260